

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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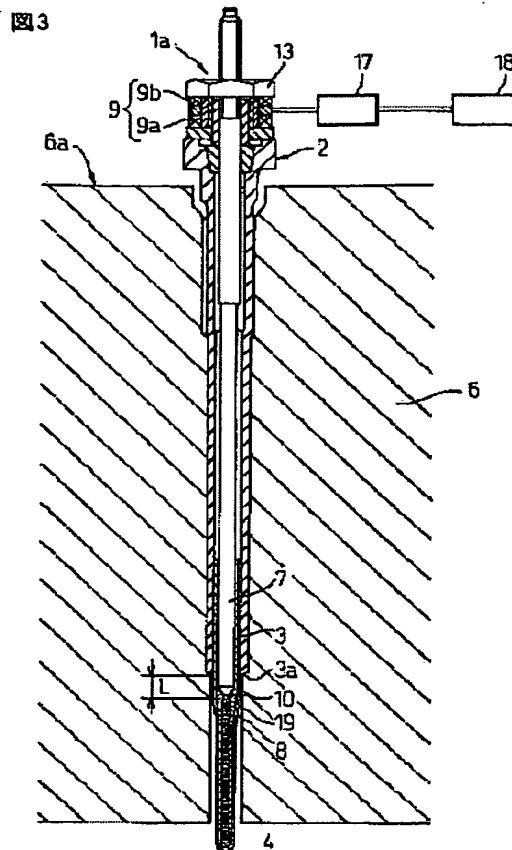
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TITLE : COMBUSTION PRESSURE SENSOR



**ABSTRACT :** PROBLEM TO BE SOLVED: To improve detection sensitivity of a combustion pressure sensor to detect combustion pressure of an internal combustion engine, and prevent catching noise such as vibration of an injector.

**SOLUTION:** A combustion pressure detection part comprising piezoelectric elements 9a and 9b of this combustion pressure sensor 1a attached to a glow plug 2 is provided to float at a separate position from an outer surface 6a of an engine head. A tip 10 of a center shaft 7 is protruded toward a combustion chamber 4 over a step part 3a on the tip side of a housing, thereby distortion of a heater case 8 of the glow plug due to combustion pressure can be efficiently transmitted to the combustion pressure detection part.

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